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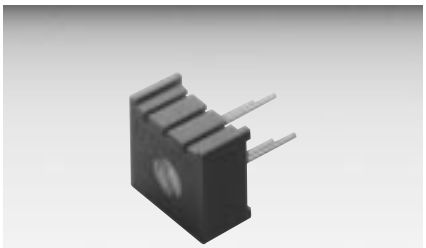
*For technical assistance call the Trimmer Products number on the back cover.*

**Jameco Part Number 105216**



BOURNS®

# 3386-OT1 - 3/8" Square Trimming Potentiometer

## Features

- Single-Turn / Cermet / Industrial / Sealed
- Designed for operational amplifier offset voltage adjustment applications
- Reduces power supply drift errors
- Unique center tapped trimming potentiometer
- Vertical adjust type available

### Electrical Characteristics

Standard Resistance Range
.....100 ohms to 1 megohm
(see standard resistance table)
Resistance Tolerance .....±20% std.
Absolute Minimum Resistance
.....2 ohms max.
Voltage Output Variation.....±0.25%
Adjustability (VR) .....±0.025%
Insulation Resistance @ 500 vdc
.....1,000 megohms min.
Dielectric Strength
Sea Level .....900 vac
70,000 Feet .....350 vac
Effective Electrical Travel.....280° nom.
Center Tap Resistance .....2 ohms max.
Center Tap Electrical Center.....±5%
Center Tap Dead Band.....6°±4°

### Environmental Characteristics

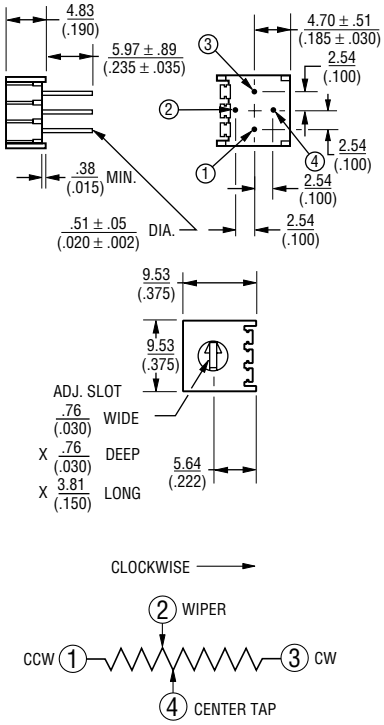
Power Rating
85°C.....0.5 watt
150°C.....0 watt
Temperature Range
.....-55°C to +150°C
Temperature Stability (ΔVR)
.....±0.5% max.
Seal Test .....85°C Fluorinert*
Humidity.....MIL-STD-202 Method 103
96 hours ±2%
ΔTR 10 Megohms min.
Vibration, 30G .....±1% ΔTR
Shock, 100G .....±1% ΔTR
Load Life, 1,000 Hours .....±3% ΔTR
Rotational Life, 200 cycles .....±4% ΔTR

### Physical Characteristics

Mechanical Angle .....310° nom.
Torque .....5.0 oz-in. max.
Stop Strength.....15.0 oz-in. min.
Terminals .....Solderable pins
Weight .....0.03 oz.
Marking .....Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Flammability .....U.L. 94V-0
Standard Packaging
.....50 pcs. per tube/tray
Adjustment Tool .....H-90

Also see Model 3296-OT1, page 28.

**3386P-OT1**




### Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|---|---|
| 100 | 101 |
| 200 | 201 |
| 500 | 501 |
| 1,000 | 102 |
| 2,000 | 202 |
| 5,000 | 502 |
| 10,000 | 103 |
| 20,000 | 203 |
| 50,000 | 503 |
| 100,000 | 104 |
| 200,000 | 204 |
| 500,000 | 504 |
| 1,000,000 | 105 |

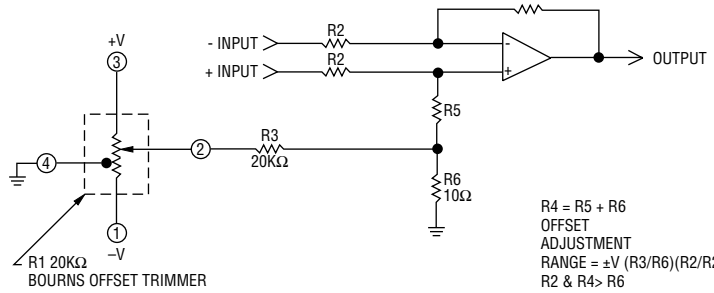
Popular values listed in boldface. Special resistances available.

SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: METRIC / (INCHES)

### Suggested Offset Voltage Adjustment Circuit




### How To Order

**3386 P - OT1 - 103**

Model
Style
Catalog Product
Resistance Code

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Specifications are subject to change without notice.